

C L A I M S

1 1. A product delivery system wherein consumer products are
2 delivered in bulk to a retail site, said product delivery
3 system adapted to:-

4 (i) manufacture and/or blend of one or more consumer
5 products at a product manufacturing site;

6 (ii) fill said one or more consumer products into bulk
7 shuttle reservoirs;

8 (iii) place said one or more bulk shuttle reservoirs onto
9 one or more pallets;

10 (iv) transport said one or more pallets to the retail site;

11 (v) remove one or more of said bulk shuttle reservoirs from
12 said pallets; and

13 (vi) transfer the consumer products contained in said bulk
14 shuttle reservoirs to individual storage containers for
15 retail to the consumer.

1 2. The product delivery system according to Claim 1,
2 wherein said one or more pallets are transported through a
3 product distribution network prior to the transport to the
4 retail site.

1 3. The product delivery system according to Claim 1,
2 wherein the bulk shuttle reservoirs comprise a dry break
3 coupling system.

1 4. The product delivery system according to Claim 1,
2 wherein the one or more consumer products are in a
3 concentrated form.

1 5. The product delivery system according to Claim 4,
2 wherein said system is adapted to optionally allow consumer
3 product reconstitution prior to the transfer of the consumer
4 products to the individual storage containers.

1 6. The product delivery system according to Claim 5,
2 wherein the optional reconstitution and subsequent transfer
3 of the one or more consumer products to individual storage
4 containers is automated.

1 7. The product delivery system according to Claim 1,
2 wherein the one or more consumer products are transferred
3 to, optionally reconstituted in, and dispensed from a
4 vending machine into individual storage containers.

1 8. The product delivery system according to Claim 4,
2 wherein the one or more consumer products are transferred
3 to, optionally reconstituted in, and dispensed from a
4 vending machine into individual storage containers.

1 9. The product delivery system according to Claim 1,
2 wherein the one or more consumer products are transferred
3 into a reusable individual storage container.

1 10. The product delivery system according to Claim 4,
2 wherein the one or more consumer products are transferred
3 into a reusable individual storage container.

1 11. The product delivery system according to Claim 10,
2 wherein said system is adapted to optionally allow consumer
3 product reconstitution prior to the transfer of the consumer
4 products to the individual storage containers.

1 12. The product delivery system according to Claim 1,
2 wherein the one or more consumer products are selected from
3 foodstuffs, beverages, household products and automotive
4 products.

1 13. The product delivery system according to Claim 12,
2 wherein the consumer product comprises a household detergent
3 product.

1 14. The product delivery system according to Claim 4,
2 wherein the one or more consumer products are selected from
3 foodstuffs, beverages, household products and automotive
4 products.

1 15. The product delivery system according to Claim 5,
2 wherein the one or more consumer products are selected from
3 foodstuffs, beverages, household products and automotive
4 products.

1 16. The product delivery system according to Claim 6,
2 wherein the one or more consumer products are selected from
3 foodstuffs, beverages, household products and automotive
4 products.

1 17. The product delivery system according to Claim 7,
2 wherein the one or more consumer products are selected from
3 foodstuffs, beverages, household products and automotive
4 products.

1 18. A process for dispensing consumer products, comprising:

- 2 (a) manufacturing and optionally blending of one or
3 more consumer products at a product manufacturing
4 site;
5 (b) filling one or more consumer products into one or
6 more bulk shuttle reservoirs;
7 (c) transporting the bulk shuttle reservoirs to a
8 retail site; and
9 (d) transferring and optionally blending the products
10 at the retail site from the bulk shuttle
11 reservoirs to individual storage containers for
12 sale to the consumer.

1 19. The process of Claim 18, wherein the one or more
2 consumer products are selected from foodstuffs, beverages,
3 household products, or automotive products.

1 20. The process of Claim 19, wherein the one or more
2 consumer products are in a concentrated form.

1 21. The process of Claim 20, further comprising
2 reconstituting the consumer product at the retail site.

1 22. The process of Claim 20, wherein transferring the one or
2 more products to the consumer occurs through a vending
3 system.

1 23. The process of claim 19, further comprising allowing the
2 consumer to customise the blending of the products into the
3 individual storage containers.

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